

# Notice of Allowability

Application No.

10/649,011

Examiner

Dai A. Phuong

Applicant(s)

KALHAN ET AL.

Art Unit

2688

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/15/2005.
2. ☒ The allowed claim(s) is/are 6-10, 12-18 and 20-31.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### DETAILED ACTION

1. This is in response to the Applicant's amendments and arguments filed on October 12/15/2005 in which claims 6-10, 12-18 and 20-31 have been amended, and claim 1-5, 11 and 19 have been canceled. Claims 6-18 and 20-31 are currently pending.

The drawings were received on 08/26/2003. These drawings are informal drawing, applicant request to submit a formal drawing.

### Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

Claims 6-10, 12-18 and 20-31 are allowed.

Claims 7-10 and 12-18 are dependent on claim 6.

Claims 21-31 are dependent on claim 20.

Regarding claim 6, the prior art record does not disclose nor fairly suggest a method for determining when to exit an existing coverage network in a wireless communications device, the method comprising the steps of: *determining a threshold boundary line; partitioning an area into a first zone and a second zone, the area including at least a portion of a first coverage area for the existing coverage network and at least a portion of a second coverage area for a second coverage network proximate the existing coverage network, the first zone proximate a first side of the threshold boundary line oriented toward a geographical center for the existing coverage network and the second zone proximate a second side of the threshold boundary line; compiling a history of geographical location data of the wireless communications device, comprising the steps of: supplying the wireless communications device a plurality of sample points comprising geographical positions of the wireless communications device; measuring a*

*position of each sample point of the plurality of sample points with respect to the threshold boundary line; and, maintaining a running sum of the measured position of the each sample point, wherein maintaining a the running sum comprises the steps of: decrementing the running sum for the measured position of the each sample point in the first zone; and, incrementing the running sum for the measured position of the each sample point in the second zone; and comparing the running sum to a terminal value; and exiting the existing coverage network based upon the compiled history of geographical location data.*

Regarding claim 20, the prior art record does not disclose nor fairly suggest in a wireless communications device, a system for determining when to exit an existing wireless communications coverage network, the system comprising: *a locator having a locator output for outputting device geographical sample positions, and a calculator connected to the locator output, the calculator utilizing a history of the device geographical sample positions for supplying an exit control signal, the calculator comprising: a comparison circuit connected to the locator output, the comparison circuit selecting a first threshold boundary line and measuring the difference between each device geographical sample position and the first threshold boundary line, the comparison circuit outputting a decrement control signal or an and increment control signal in response to the measurement; a counting circuit for receiving the decrement control signal or the increment control signal and for performing a mathematical function responsive to accepting the decrement and increment control signals and comparing a mathematical function result to a predetermined terminal value the counting circuit supplying the exit control signal in response to the comparison.*

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3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Statement of Reasons for Allowance."


### Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dai A Phuong whose telephone number is 571-272-7896. The examiner can normally be reached on Monday to Friday, 9:00 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ramos Feliciano Eliseo can be reached on 571-272-7925. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dai Phuong  
AU: 2688  
Date: 02-16-2006

 2/17/06  
**ELISEO RAMOS-FELICIANO**  
**PATENT EXAMINER**